

CITY OF FREMONT

POWER PLANT SHIFT SUPERVISOR

NATURE OF WORK

This is a skilled supervisory position directing the operation of boilers, turbines, generators, and auxiliary equipment at the municipal power plant on an assigned shift.

Work involves supervising subordinates engaged in operating power plant equipment, and making critical decisions to ensure the continuous flow of power to customers. Work also involves maintaining public relations through responding to trouble calls and maintaining water pressures throughout the city. An employee of this class has total responsibility for the municipal electric and water systems on an assigned shift and must exercise considerable discretion and initiative in preventing an interruption of the power or water supply. Supervision is exercised over subordinate employees. Supervision is received from an administrative supervisor with work evaluated through conferences and reports.

EXAMPLES OF WORK PERFORMED

ESSENTIAL FUNCTIONS: *The following examples of work are illustrative only and are not intended to be all inclusive:*

Supervises and participates in the operation of all power plant equipment;

Supervises and directs operating personnel on the shift;

Supervises the collection of data and preparation of operating records.

Schedules vacations and holidays of assigned operating personnel.

Oversees the training of subordinates in duties, procedures and practices associated with all functions of their specific responsibilities.

Assure loading of electric generating units and grid connections are met to maintain highest efficiencies and reliability at lowest overall cost; monitors unit efficiency and schedules;

Oversees operation of baghouses, scrubbers, carbon injection, dust and ash cleaning, precipitators, and related auxiliary equipment;

Operates electric SCADA computer in distributing load and controlling generating units.

Operates water SCADA computer to maintain system pressure and tank levels.

Handles calls for electric, water, gas, and sewer service and emergencies, after hours and on weekends;

Coordinates power plant operations with line crew activities during power outages.

Supervises the start-up and shut down of units; controls voltage, tie line loadings, and the supply of power to substations, disconnects, and switches.

Adjusts boilers, turbines and emission control systems; Supervises special power plant projects as assigned.

Performs related duties as required and other duties as assigned.

DESIREABLE KNOWLEDGES, ABILITIES AND SKILLS

Considerable knowledge of the operation of high pressure boilers, steam turbines, combustion turbines, generators and related auxiliary equipment.

Considerable knowledge of the hazards and of necessary safety precautions applicable to the work.

Considerable knowledge of the electric distribution system.

Considerable knowledge of the water production and distribution systems.

Considerable knowledge of the relationship of the Fremont electric system with other area systems.

Ability to analyze data relating to the operation of plant equipment and to take appropriate action to improve operational efficiency.

Ability to react quickly, calmly, and decisively in emergencies.

Ability to recognize malfunctions in equipment and to determine proper corrective action.

Ability to participate in plant maintenance activities.

Ability to understand and follow oral and written instructions and to work according to a prescribed routine.

Ability to work rotating shifts

Ability to perform duties of a shift operator in relief

Ability to maintain the necessary records.

Ability to supervise the work of subordinates.

MINIMUM QUALIFICATIONS

Graduation from high school or equivalent supplemented by training in mechanics and electricity. Thorough progressively responsible experience in power plant operation, including experience in directing subordinate personnel; or any equivalent combination of training and experience that provides the knowledge, abilities, and skills:

NECESSARY SPECIAL REQUIREMENTS

Employee must possess and maintain of a valid Nebraska Driver's License.

GRADE	
PAY	
UNION	NO
FLSA	Non-Exempt

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